

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Cyril Goutte, et al.

Title: METHOD FOR MULTI-CLASS, MULTI-LABEL CATEGORIZATION USING  
PROBABILISTIC HIERARCHICAL MODELING

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

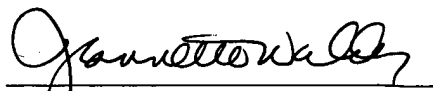
Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) and information listed on the attached PTO-1449 Form. One legible copy of each is attached to the form, except for U.S. Patents or published U.S. applications. It is respectfully requested that the references and information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Statement is being filed concurrently with the filing of the application to which it relates. *No certification or fee is required.*

This Statement is not intended to constitute an admission that any information referred to herein is "prior art" in relation to the claimed invention unless specifically designated as such. In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Statement shall not be construed to mean that a search has been made or that the information submitted herewith is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Respectfully submitted,



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Form PTO-1449	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. D/2541	APPLICATION NO. Not Yet Assigned
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT Cyril Goutte, et al	
		FILING DATE 02/09/2004	GROUP ART UNIT Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS
	2003/0101187	05/29/2003	Eric Gaussier, et al	707	100

## FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N

## OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

	E. GAUSSIER, C. GOUTTE, K. POPAT, F. CHEN, "A hierarchical model for clustering and categorising documents", F. Crestani, M. Girolami and C.J. van Rijsbergen (eds), <i>Advances in Information Retrieval—Proceedings of the 24th BCS-IRSG European Colloquium on IR Research</i> , Lecture Notes in Computer Science 2291, Springer, 2002, pp. 229-247
	A.K. McCALLUM, "Multi-Label Text Classification with a Mixture Model Trained by EM, <i>AAAI'99 Workshop on Text Learning</i> (McCallum 1999), pp. 1-7

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	